



**EXO-T520**  
**TECHMANUAL**

**EXO-T520**

**SCORPION**  
**EXO**



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Printed in China

**TECHMANUAL**

# EXO-T520

## Performance Features

### 1 EverClear® Faceshield

Anti-Fog treated (internal) and hard coated (external) face shield provides 95% UV-A & UV-B protection.

### 2 SpeedView® Retractable SunVisor

Externally accessed internal sun visor featuring our exclusive EverClear® Anti-fog Coating that also offers 95% protection from harmful UV rays.

### 3 AirFit® Liner Inflation System

Integrated cheek pad air bladder adjustment system provides a personalized fit.

### 4 KwikWick® C Liner Fabric

Removable and washable liner featuring a supple hypo-allergenic, anti-microbial treated interior with advanced moisture-wicking properties.

### 5 Ellip-Tec® II Ratchet System

Easy, secure, and tool-less face shield system featuring a 2-axis movement that pulls the shield firmly into the eye port gasket for maximum seal.

### 6 Faceshield Lock

Integrated shield locking system securely locks shield in place sealing out the elements.

### 7 Aero-Tuned Ventilation

Features adjustable ram-air front intake that forces fresh air through multiple internal channels and out to an integrated rear spoiler, pulling heat and humidity up and out.

EVERCLEAR®  
NO-FOG FACESHIELD

EVERCLEAR®  
SPEEDVIEW®  
SUNVISOR

AIRFIT®  
LINER INFLATION SYSTEM

KWIKWICK®  
C LINER

ELLIP-TEC® II

KWIKFIT®

EXO-COM®

YEAR  
5  
WARRANTY

### 8 Emergency Release System

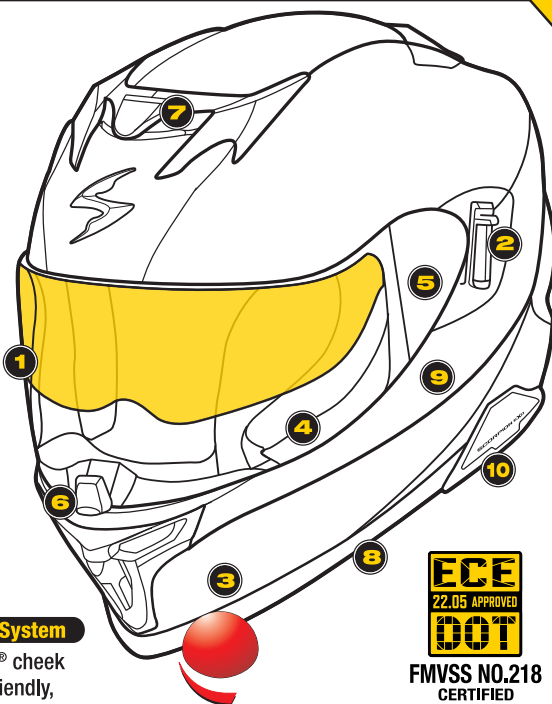
3D contoured, Kwikfit® cheek pads featuring EMT-friendly, emergency release design.

### 9 Speaker Pockets

Speaker cavities built into the EPS allow for speakers up to 50mm.

### 10 EXO-COM® Port / BlueTooth® Ready

Integrated port specifically designed to accommodate EXO-Com® BlueTooth® communication system.



ECE  
22.05 APPROVED  
DOT

FMVSS NO.218  
CERTIFIED

**NOTE** Line art shown in this manual are for reference only and may vary from actual product

## INTRODUCTION

Congratulations for acquiring a premium ScorpionEXO® Helmet. This helmet embodies the latest, state-of-the-art design, engineering and technology available in the market today and is an excellent investment for your comfort and protection.

**PLEASE REMEMBER THAT NO HELMET CAN PROTECT YOU AGAINST ALL POSSIBLE OR FORESEEABLE IMPACTS EVEN WHEN BUILT WITH THE LATEST MATERIALS AND TECHNOLOGY.** The following information will help you to enjoy and properly care for your helmet.

## FUNCTION

A helmets main function is to protect your head from impact in case of an accident. To accomplish this, a helmet surrounds your head with a matrix of materials designed to absorb and dissipate impact energy in some accidents. A helmet is also designed to provide you with comfort while riding in various weather conditions. It is important to note that a helmet can somewhat decrease hearing sensitivity and peripheral vision as a direct consequence to providing impact protection.

## FIT

It is important for maximum safety that your ScorpionEXO® helmet fit snugly and comfortably on your head with the retention strap (chin strap) properly and snugly fastened. With the chinstrap firmly fastened, grasp the back of the helmet with both hands and try to roll the helmet forward. If you can rotate the helmet over the eyes, it is too loose and you should try another size helmet.

## FACESHIELDS

The faceshield on your ScorpionEXO® helmet provides protection from weather, debris, and wind. Tinted shields are available to protect your eyes from excessive sunlight. See the instructions in this manual for proper faceshield removal and installation.

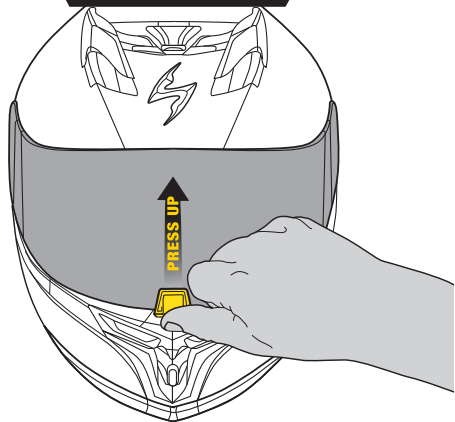
**WARNING** NEVER WEAR A DARK OR TINTED FACE SHIELD IN DARK OR POOR VISIBILITY RIDING CONDITIONS. THIS IS NOT ONLY UNSAFE, BUT ALSO ILLEGAL IN MOST STATES.

**WARNING** NEVER WEAR A FACE SHIELD THAT HAS BECOME SCRATCHED, OR RIDE WITH A FACESHIELD THAT IS FOGGED BY CONDENSATION, SCORPIONEXO® FACE SHIELDS (CLEAR AND SMOKE ONLY) COME WITH A SCRATCH-RESISTANT COATING.

## VENTILATION SYSTEMS

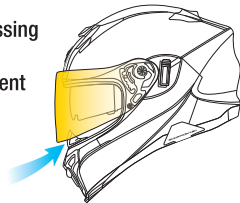
Ventilation systems are designed and engineered to maximize your comfort in a wide range of temperatures. Familiarize yourself with the vents on your street helmet. Some vents have detents allowing partial opening and closing, thereby controlling intake and exhaust airflow. Your helmet ventilation systems should be kept clear of any obstructions including dirt, insects or other items which could interfere with proper flow of air. The ventilation system plays an important role, especially during physical exertion or hot-weather riding. Ventilation also helps decrease the possibility of fogging and condensation.

## Faceshield Lock



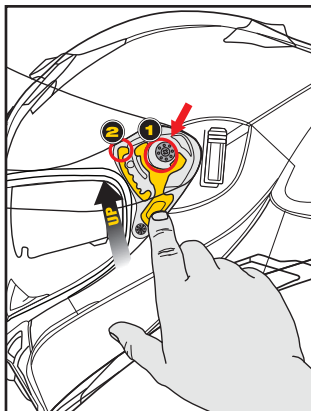
**TO OPEN:** Unlock the faceshield by pressing your thumb up on the faceshield lever until it snaps open. Lift faceshield all the way up.

**CITY MODE:** Unlock the faceshield by pressing your thumb up on the faceshield lever until it snaps open. Leave open at first detent to provide air flow at low speeds.



**TO CLOSE AND LOCK:** Close the faceshield by sliding it down all the way and pressing the faceshield lever until it snaps shut. Test by trying to open the faceshield to make sure it is locked in place.

## Faceshield Replacement



### TO REMOVE THE FACESHIELD:

Place the helmet in front of you with the eye port facing away. Ratchet the faceshield up to the fully open position. Using both hands, push up the Y shape release latchet upward and the shield is able to release out of locking mechanism. Then, with both of your thumbs pushing squarely on the center of the Ellip-Tec® II, gently pull or “peel” the faceshield away from the helmet.

**TO INSTALL THE FACESHIELD:** Make sure the faceshield axis (1) and the stopper (2) are positioned properly as shown in the below picture. Then push the axis (1) first, and then push the stopper (2) strongly so that they can be sat on the right track. Test the faceshield by opening and closing it several times to verify it is properly installed.

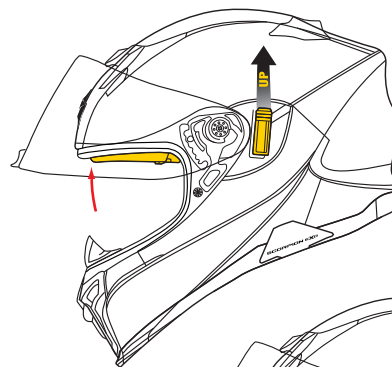
### ⚠ IMPORTANT NOTES ⚠

The faceshield can only be removed or installed when in the fully open position. Be sure to latch up the “Y” release ratchet while removing the faceshield!

Do Not attempt to adjust while riding.

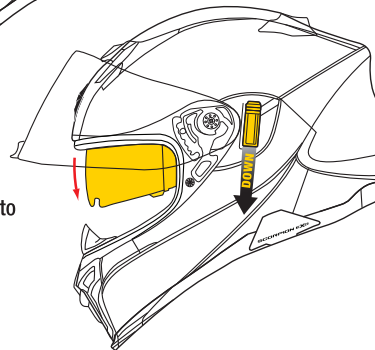
## SpeedView® Internal SunVisor

**⚠ NOTE** The Retractable internal SunVisor can be lowered and retracted, with the faceshield in the open or closed position.



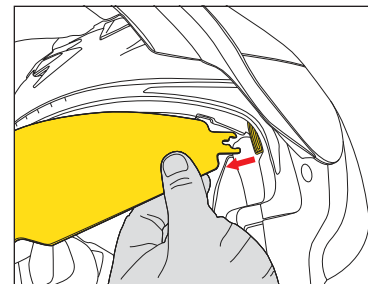
To lower the SpeedView® SunVisor slide the lever down

To retract the SpeedView® SunVisor back into the shell, slide the lever up.

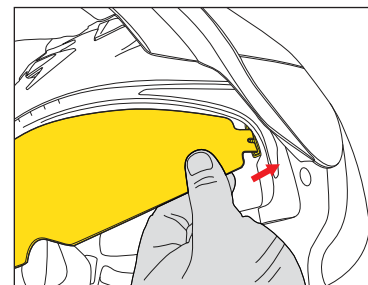


## SpeedView® Internal SunVisor Removal and Replacement

**⚠ NOTE** First open shield to the highest position. Then lower the SunVisor to the lowest position possible.

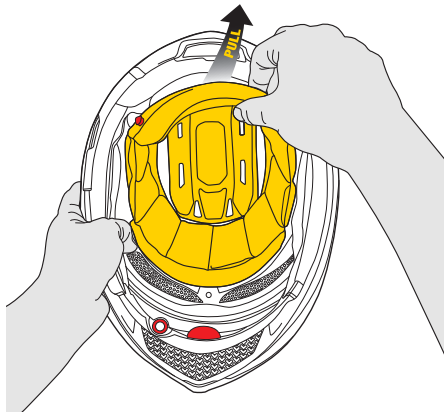


Firmly hold the SunVisor with your hand and gently pull one side out away from the helmet to release. Repeat to release the opposite side



Reverse process for installation

DO NOT ATTEMPT TO ADJUST WHILE RIDING



Occasionally the crown liner may require removal for washing, replacement or to change sizes.

#### TO REMOVE:

1. First step is to remove the cheek pads.
2. At the back of the helmet pull the crown liner away from the shell unsnapping the two snaps.
3. Pull the crown liner out of the helmet while gently detaching it from the forehead channel.

Reverse this process for installation

#### TO REMOVE:

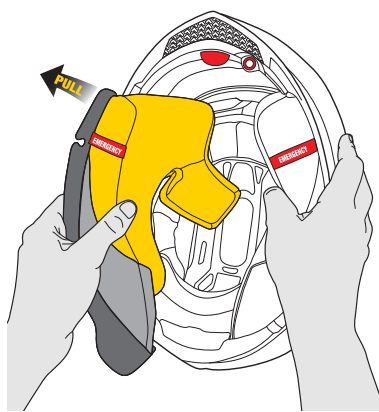
1. Slide your thumb behind the cheek pad at the area closest to the AirFit® inflation pump
2. Gently tug the cheek pad down and away from the helmet interior wall. There are three plastic snaps on each side that require unsnapping. At the same time slide the plastic trim out of the helmet channel.

3. Repeat this process for both cheek pads. Reverse this process for installation.

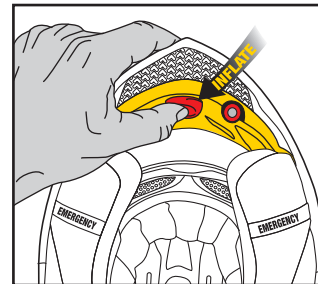
#### TO INSTALL:

1. First check that the cheek pad snaps are in the down location. They may have slid up upon removal (as part of the Emergency Release System). Slide the snaps back down to their original position before reinstallation.

2. Reverse the removal process above to install.

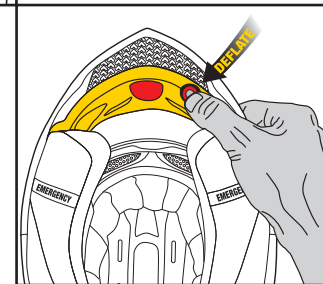


**NOTE** Make sure snaps are in the down position before reinstalling



**INFLATION:** While wearing the helmet, press the pump located at the front of the chin bar until you reach your desired fitment.

**DEFLATION:** Press the small pressure release button located beside the pump. **DO NOT** attempt to remove your helmet before deflating the air bladders.

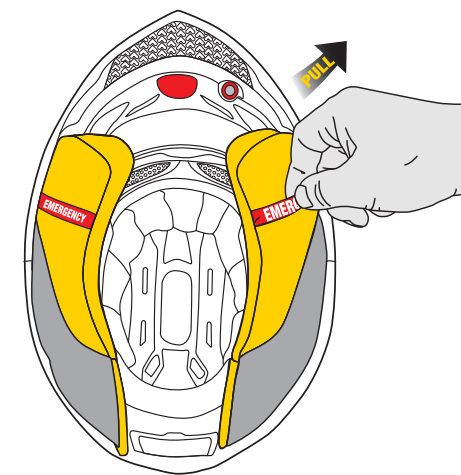


#### WARNING

**DO NOT** attempt to adjust while riding.

**DO NOT** modify, puncture, or damage the air bladders in anyway. If any part of the AirFit® system is damaged or faulty in any way. please contact ScorpionEXO®

**NOTE** Make sure snaps are in the down position before reinstalling



Locate the emergency labeling on the neck roll. Simply reach under the neck roll and grab the release strap, pull at a 45° degree angle towards the front of the helmet. The cheek pads will easily release from the helmet. This system should only be used by a trained medical personal.

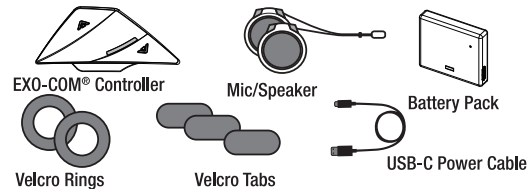
#### WARNING

**DO NOT** attempt to adjust while riding. In case of accident **DO NOT** attempt removal on your own.

**▲ NOTE** For EXO-COM® EQUIPPED HELMET version, Mic/Speakers are Pre-Installed. You can skip TO STEP 4 "Speaker/Mic Installation"

### 1. PARTS CHECKLIST

Kit should include; the EXO-Com® control unit, battery, speaker/microphones, a USB-C power cable, and 3 velcro tabs (2 + 1 spare).

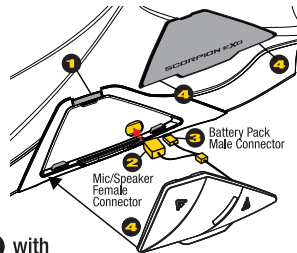


### 2. REMOVE CHEEK PADS AND CROWN LINER

Reference page 5 .

### 3. CONTROL UNIT INSTALLATION

**A)** Remove the control unit cover by pressing the top tab **1**  
**B)** Pass the large female USB-C connector **2** through the hole first followed by the smaller male USB-C connector **3** Pull the excess cable through then align and insert the bottom tabs of the control unit **4** with the bottom tabs of the housing **C)** With the bottom of the control unit inserted, simply push the top of the unit into place, you should hear **A SMALL "CLICK"**.



### 4. SPEAKER/MIC INSTALLATION

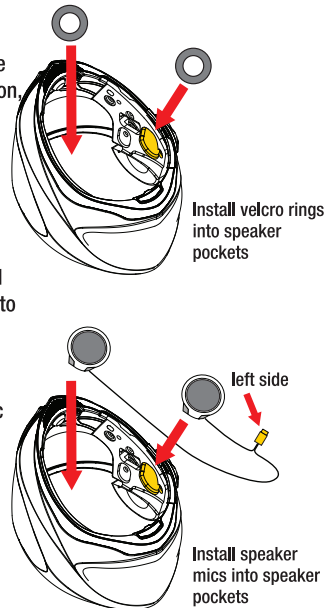
\*If you purchased your helmet in the EXO-Com® pre-installed configuration, please skip this section as the speaker/microphones have already been installed.

**A)** Remove the circular velcro from the back of the speaker/mic, then remove the 2-way tape backing and position/install these velcro rings into each speaker pocket.

**B)** Install the speaker/mic into each speaker pocket. Ensure that the mic is positioned toward the bottom of the helmet. Also ensure that the speaker/ mic with the shorter cable is on the left side of the helmet.

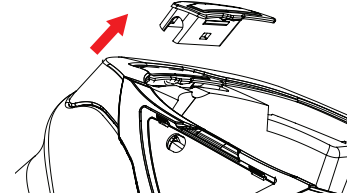


\*If your EXO-Com® model has the AirFit® feature, ensure that you pass the speaker/mic wire between the AirFit® bladder and EPS.

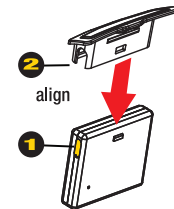


### 5. BATTERY INSTALLATION

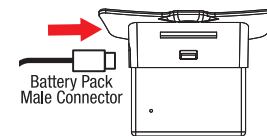
**A)** For easy access, bend the bottom rubber gasket out of the way, then gently pull/pry the battery housing out of the helmet.



**B)** Insert the battery into this housing ensuring that you align the battery port **1** with the slot on the housing **2**



**C)** Connect the male USB-C cable from the control unit to the battery and re-insert the battery/housing into the helmet and tuck the excess wire between the shell and EPS.



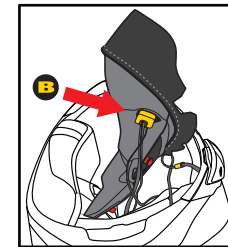
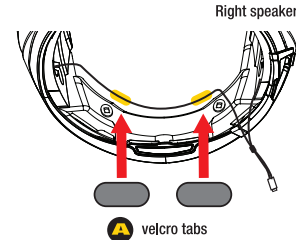
### 6. WIRING (CLEAN-UP)

**A)** Separate the 2 sections on the provided velcro tabs. Remove the 2-way tape backing and install this section on the EPS just above the crown liner snaps

(1) Align the speaker wires from the right side speaker and secure into place with the remaining section of velcro (2)

**B)** Connect the speaker/mic male connector into the female connector from the control unit. Gently bend the wiring (do NOT fold flat) and tuck this excess wiring into the small pocket integrated into the left side cheek pad (3).

**C)** Re-install the cheek pads and crown liner as indicated on page 5.

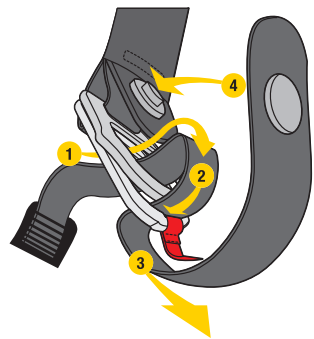


SCAN ME

TO FIND DETAILED INFORMATION ABOUT THE USING THE EXO-COM® CONTROLLER REFER TO THE **EXO-COM® QUICK START GUIDE, OR USER'S MANUAL BY SCANNING QR CODE IN THE EXO-COM® QUICK START GUIDE.**

## Securing and Wearing your Helmet

**DO NOT SIMPLY PULL YOUR HELMET DOWN ONTO YOUR HEAD LIKE A HAT. YOUR SCORPIONEXO® HELMET SHOULD BE WORN AS FOLLOWS:** Using both hands grasp the helmet's bottom rim while holding the chin straps with your thumbs. Then rotate the helmet onto your head starting at the forehead. Continue rolling the helmet on towards the back of the head until it comes to rest with your head fully in contact with the inner lining and cheek pads.



- 1 Lead chinstrap through eyelets of both rings.
- 2 Curl back and thread through taller ring with nylon pull-tab.
- 3 Securely tighten strap until comfortable and safe.
- 4 Press and snap buttons together to manage excess strap.

### **⚠ WARNING** FIRMLY AND SECURELY FASTEN YOUR CHINSTRAP.

Check your chinstrap for tightness occasionally as vibration or wind may loosen it.

## Cleaning your helmet system

None of the components of your ScorpionEXO® helmet can be damaged by water. All headliners and sweat-wicking cheek pads are machine washable. Wash them with a mild detergent in warm water and allow to air dry. Hand washing is recommended, but machine washing is also permitted. Use the “delicate” cycle to prevent the agitator from damaging the sweat-wicking material covering the liner parts.

**⚠ DO NOT PLACE LINING PARTS IN THE DRYER:** Excess heat may damage the foam and coverings. The faceshield may be cleaned with plastic polish or mild soap and water. The shell of your helmet should be cleaned using only a mild detergent and water.

**⚠ NEVER USE PETROLEUM BASED CHEMICALS, SOLVENTS, GASOLINE, CLEANING AGENTS OR ADHESIVES** to clean the shell, liners or faceshield of your helmet. Your helmet shell, liner and faceshield may be seriously damaged by the use of such products.

### **⚠ WARNING**

**FOR YOUR SAFETY, IT IS IMPORTANT THAT YOU COMPLETELY READ THE OWNER'S MANUAL AND ALL WARNING LABELS.**

## DO NOT

**DO NOT** ride without snugly fastening your chinstrap.  
**DO NOT** clean your helmet with petroleum products, solvents, benzene, thinner or cleaning agents.  
**DO NOT** paint over your helmet's finish without totally protecting and isolating the shock-absorbing liner and plastic parts. Your warranty will otherwise be invalidated.  
**DO NOT** drop your helmet from any height onto a hard surface. This could cause damage to your helmet's finished and/or decrease its ability to protect you.  
**DO NOT** place your helmet on your motorcycle's rearview mirror: The sharp pressure from the mirror's edge will compress and damage the helmet's shock-absorbing liner.  
**DO NOT** place your helmet on the motorcycle's seat or fuel tank. It can easily roll off and hit the ground causing damage to the helmet. It is best to place your helmet on the ground so it cannot fall in any direction.  
**DO NOT** ride with a scratched faceshield. This can impair your vision, especially at night.  
**DO NOT** modify any part of your helmet, e.g., drilling the shell or cutting and pressing the shock absorbing liner. Installation of sound systems, speakers and microphones reduces your helmet's ability to protect you and is not recommended.  
**DO NOT** use the helmet again if it has either been dropped or involved in an accident. Replace it even if the damage is not visible to the naked eye.  
**DO NOT** wear a dark or tinted faceshield in dark or poor visibility riding conditions.  
**DO NOT** place your headliners and cheek pads in the dryer after washing. Allow them to air dry.  
**DO NOT** attempt to remove, change or replace your faceshield while riding your motorcycle or ATV.  
**DO NOT** use paint which requires heat curing.

## WARRANTY

Should you have a **HELMET WARRANTY CLAIM**, please call **888-672-6774** or email [warranty@scorpionusa.com](mailto:warranty@scorpionusa.com) during business hours (PST).

**SCORPIONEXO USA** Warranty/Tech Center  
 12145 Mora Drive, Unit 13  
 Santa Fe Springs CA 90670



The warranty is for defects in materials and workmanship only. There is no warranty for the helmets involved in accidents or that have been dropped or impacted.

**⚠ NOTE** If you are experiencing technical issues with your **EXO-COM® UNIT**, please contact **UCLEAR® DIGITAL** at **833-482-5327** or email [SUPPORT@UCLEARDIGITAL.COM](mailto:SUPPORT@UCLEARDIGITAL.COM) for warranty assistance.



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 #WELIVEINOURPROTECTION

